

Clinical Nutrition Highlights

eNewsletter



Resources for nutritional management of patients with COVID-19

INTRODUCTION

The prevalence and risk of malnutrition and dysphagia are known to be high among patients with and post COVID-19^{1,2}, with anorexia leading to a drastic reduction of food intake³. Hospitalized patients present digestive symptoms (50%), asthenia/discomfort (35-69.6%), nausea/vomiting (4-10.1%), cough (59.4-77%) or olfactory/gustatory disorders^{4,5}. On discharge, patients usually present **severe loss of skeletal muscle mass and function** which may lead to **disability, poor quality of life and additional morbidity**⁶.

Recent trials confirm the **effectiveness of nutritional assessment and individualized nutritional care** in reducing complications and improving clinical outcomes in medical inpatients^{6,8}.

The prevention, diagnosis and treatment of malnutrition should therefore be routinely included in the management of COVID-19 at-risk patients and should be a key goal in recovering the patient's health status.



AIM

- To offer a structured compilation of relevant **clinical nutrition guidelines** and recommendations published on **COVID-19 and nutrition**.
- To help identify the **key recommendations in clinical nutrition** among the large amounts of data generated on the COVID-19 pandemic to ultimately benefit the patient.

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A COVID-19 PATIENT JOURNEY

The patient infected by COVID-19 follows a journey full of uncertainties due to the limited knowledge about the pathology and its treatments, as well as to the saturation of the healthcare professionals and systems⁹. Find the attached Journey*.

Journey of patients with COVID-19 isolated in their homes

April 2020
First Covid-19 patient journey map following Covid-19 patients who are isolated in their homes.

[See Publication](#)

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Mapa da Experiência do Paciente COVID-19, Familiares e Profissionais de Saúde

Journey map designed for identifying the pain of patients, their families, and health care professionals and identifying good practices to be adopted in Brazil and worldwide.

[See Publication](#)

B GUIDELINES PUBLISHED BY ENTERAL AND PARENTERAL NUTRITION SOCIETIES

European Society for Parenteral and Enteral Nutrition (ESPEN)

ESPEN expert statements and practical guidance for nutritional management of individuals with SARS-CoV-2 infection

March 2020
In this document, the ESPEN aims at providing concise guidance for nutritional management of COVID-19 patients by proposing 10 practical recommendations.

[See Publication](#)

American Society for Parenteral and Enteral Nutrition (ASPEN)

Resources for Clinicians Caring for Patients with Coronavirus

March 2020
Professional resources for the nutritional management of individuals with SARS-CoV-2. Includes Report on Nutritional Support Practice Processes with COVID-19 in mild or severe symptoms.

[See Publication](#)

British Association of Parenteral and Enteral Nutrition (BAPEN)

Practical Advice and Guidance for management of nutritional support during COVID-19

April 2020
Documents and guidelines developed by BAPEN groups and committees in response to the coronavirus pandemic and based on the available evidence and expert consensus.

[See Publication](#)

Société Francophone Nutrition Clinique et Métabolisme. French Speaking Society of Clinical Nutrition and Metabolism (SFNCM)

Stratégie de prise en charge nutritionnelle à l'hôpital: avis d'experts de la SFNCM
Nutritional recommendations and treatment algorithm for clinicians managing patients with COVID-19, covering all the patient journey.

[See Publication](#)

Federación Latinoamericana de Terapia Nutricional, Nutrición Clínica y Metabolismo (FELANPE)

Articles and nutritional recommendations for patients with COVID-19

May 2020
Guidelines and nutritional recommendations for clinicians caring for patients with coronavirus from different Latin-American Nutrition Societies.

[See Publication](#)

Società Italiana di Nutrizione Artificiale e Metabolismo. Italian Society for Artificial Nutrition and Metabolism (SINPE)

Raccomandazioni Pratiche per il Trattamento Nutrizionale dei Pazienti Affetti da COVID-19

April 2020
Nutritional recommendations and treatment algorithm for clinicians managing patients with COVID-19, covering all the patient journey.

[See Publication](#)

Associação Portuguesa de Nutrição Entérica e Parentérica. Portuguese Association of Enteral and Parenteral Nutrition (APNEP)

Algoritmo Terapêutica Nutricional COVID-19

Nutritional algorithm for clinicians managing patients infected with COVID-19 including recommendations for ONS.

[See Publication](#)

Sociedad Española de Nutrición Clínica y Metabolismo. Spanish Society of Clinical Nutrition and Metabolism (SENPE)

Algoritmo de tratamiento nutricional en pacientes con COVID-19

April 2020
Nutritional treatment algorithm for clinicians managing patients with COVID-19 Consensus of the Spanish Society of Intensive Care Medicine and Coronary Units-Spanish Society of Parenteral and Enteral Nutrition (SEMICYUC-SENPE).

[See Publication](#)

Sociedad Española de Endocrinología y Nutrición. Spanish Society of Endocrinology and Nutrition (SEEN)

Management of disease-related malnutrition (DRM) in hospitalised patients with COVID-19

March 2020
Nutritional recommendations for clinicians managing patients at risk of malnutrition on admission and hospitalized with COVID-19. Nutritional algorithm is included.

[See Publication](#)

Irish Society for Clinical Nutrition and Metabolism (IrSPEN)

Guidance for Nutrition relating to COVID-19

April 2020
This document was developed to offer some guidance on managing nutritional support during COVID-19 for vulnerable patients, those in ICU and patients with co-morbidities, which are independently associated with malnutrition and its negative impact on patient survival.

[See Publication](#)

Brazilian Parenteral and Enteral Nutrition Society (BRASPEN)

Fluxo de assistência nutricional para pacientes admitidos com COVID-19 e S-COVID-19 em unidade hospitalar

April 2020
This guideline provides steps and algorithm for managing hospitalized patients with COVID-19.

[See Publication](#)

Polish Society for Parenteral, Enteral Nutrition and Metabolism (POLSPEN)

Zalecenia dla realizacji domowego żywienia do- i pozajelitowego podczas pandemii SARS-CoV-2

April 2020
A 23-recommendation summary of enteral and parenteral nutrition for managing hospitalized patients and those recovering from COVID-19 at home.

[See Publication](#)

South African Society for Parenteral and Enteral Nutrition (SASPEN)

SASPEN Nutritional management of patients with COVID-19

April 2020
This guideline is based on the recommendations put forward by the ASPEN as well as the ESPEN.

[See Publication](#)

AustralAsian Society for Parenteral and Enteral Nutrition (AuSPEN)

Nutrition Management for Critically and Acutely Unwell Hospitalised Patients with COVID-19 in Australia and New Zealand

Continually updated
The purpose of this document is to provide evidence-based advice for nutrition management of critically ill and acutely unwell hospitalised patients during the COVID-19 pandemic (Phase 2 management strategies). It provides key adaptations of usual best practice, taking into consideration staff safety, reduced staffing, resource utilisation, and the clinical condition of the patients.

[See Publication](#)

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